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L3 ANSWER 1 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
ACCESSION NUMBER: 2005116044 PCTFULL ED 20051213 EW 200549
TITLE (ENGLISH): PROCESS FOR PRODUCING INDOLOPYRROLOCARBAZOLE
DERIVATIVE
TITLE (FRENCH): PROCEDE SERVANT A PRODUIRE UN DERIVE D'
INDOLOPYRROLOCARBAZOLE
INVENTOR(S): IIDA, Takehiko, 9-20-301, Aza Higashinogou, Hanecho,
Okazaki-shi, Aichi 4440813, JP [JP, JP];
HIRAGA, Shouichi, 14-12, Tatsumiminami 4-chome,
Okazaki-shi, Aichi 4440874, JP [JP, JP];
TAKEZAWA, Akihiro, 8-1-301, Kamimutsuna 2-chome,
Okazaki-shi, Aichi 4440858, JP [JP, JP];
MASE, Toshiaki, 7-1, Wakamatsuhigashi 3-chome,
Okazaki-shi, Aichi 4440822, JP [JP, JP]
PATENT ASSIGNEE(S): BANYU PHARMACEUTICAL CO., LTD., 2-3, Nihombashi
Honcho 2-chome, Chuo-ku, Tokyo 1038416, JP [JP, JP],
for all designates States except US;
IIDA, Takehiko, 9-20-301, Aza Higashinogou, Hanecho,
Okazaki-shi, Aichi 4440813, JP [JP, JP], for US only;
HIRAGA, Shouichi, 14-12, Tatsumiminami 4-chome,
Okazaki-shi, Aichi 4440874, JP [JP, JP], for US only;
TAKEZAWA, Akihiro, 8-1-301, Kamimutsuna 2-chome,
Okazaki-shi, Aichi 4440858, JP [JP, JP], for US only;
MASE, Toshiaki, 7-1, Wakamatsuhigashi 3-chome,
Okazaki-shi, Aichi 4440822, JP [JP, JP], for US only
AGENT: IWATANI, Ryo\$, ORIX Dojima Bldg. 3F, 1-31, Dojima
2-chome, Kita-ku, Osaka-shi, Osaka 5300003\$, JP
LANGUAGE OF FILING: Japanese
LANGUAGE OF PUBL.: Japanese
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE

WO 2005116044	A1	20051208

DESIGNATED STATES

W:

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO
CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR
HU ID IL IN IS JP KE KG KM KP KR KZ LC LK LR LS LT LU
LV MA MD MG MK MN MW MX MZ NA NG NI NO NZ OM PG PH PL
PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA
UG US UZ VC VN YU ZA ZM ZW

RW (ARIPO): BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT
LT LU MC NL PL PT RO SE SI SK TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

PRIORITY INFO.: JP 2004-2004-160193 20040528
APPLICATION INFO.: WO 2005-JP9674 A 20050526

L3 ANSWER 2 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
ACCESSION NUMBER: 2005026185 PCTFULL ED 20050330 EW 200512
TITLE (ENGLISH): NOVEL INDOLOPYRROLOCARBAZOLE DERIVATIVE WITH
ANTITUMOR ACTIVITY
TITLE (FRENCH): NOUVEAU DERIVE D'INDOLOPYRROLOCARBAZOLE A
ACTIVE ANTI-TUMEUR
INVENTOR(S): YAMADA, Koji, c/o BANYU PHARMACEUTICAL CO., LTD.,
Tsukuba Research Institute, 3, Okubo, Tsukuba-shi,
Ibaraki 3002611, JP [JP, JP];
SUNAMI, Satoshi, c/o BANYU PHARMACEUTICAL CO., LTD.,
Tsukuba Research Institute, 3, Okubo, Tsukuba-shi,
Ibaraki 3002611, JP [JP, JP];

PATENT ASSIGNEE(S): HIROSE, Masaaki, c/o BANYU PHARMACEUTICAL CO., LTD.,
 Clinical Development Institute, AIG Kabutocho Building,
 5-1, Nihombashi-kabutocho, Chuo-ku, Tokyo 1030026, JP
 [JP, JP];
 OHKUBO, Mitsuru, c/o BANYU PHARMACEUTICAL CO., LTD.,
 Tsukuba Research Institute, 3, Okubo, Tsukuba-shi,
 Ibaraki 3002611, JP [JP, JP];
 ARAKAWA, Hiroharu, c/o BANYU PHARMACEUTICAL CO., LTD.,
 Tsukuba Research Institute, 3, Okubo, Tsukuba-shi,
 Ibaraki 3002611, JP [JP, JP]
 BANYU PHARMACEUTICAL CO., LTD., 2-3, Nihombashi
 Honcho 2-chome, Chuo-ku, Tokyo 1038416, JP [JP, JP],
 for all designates States except US;
 YAMADA, Koji, c/o BANYU PHARMACEUTICAL CO., LTD.,
 Tsukuba Research Institute, 3, Okubo, Tsukuba-shi,
 Ibaraki 3002611, JP [JP, JP], for US only;
 SUNAMI, Satoshi, c/o BANYU PHARMACEUTICAL CO., LTD.,
 Tsukuba Research Institute, 3, Okubo, Tsukuba-shi,
 Ibaraki 3002611, JP [JP, JP], for US only;
 HIROSE, Masaaki, c/o BANYU PHARMACEUTICAL CO., LTD.,
 Clinical Development Institute, AIG Kabutocho Building,
 5-1, Nihombashi-kabutocho, Chuo-ku, Tokyo 1030026, JP
 [JP, JP], for US only;
 OHKUBO, Mitsuru, c/o BANYU PHARMACEUTICAL CO., LTD.,
 Tsukuba Research Institute, 3, Okubo, Tsukuba-shi,
 Ibaraki 3002611, JP [JP, JP], for US only;
 ARAKAWA, Hiroharu, c/o BANYU PHARMACEUTICAL CO., LTD.,
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 Ibaraki 3002611, JP [JP, JP], for US only
 AGENT: BANYU PHARMACEUTICAL CO., LTD.\$, 2-3, Nihombashi Honcho
 2-chome, Chuo-ku Tokyo 1038416\$, JP
 LANGUAGE OF FILING: Japanese
 LANGUAGE OF PUBL.: Japanese
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

	NUMBER	KIND	DATE
	WO 2005026185	A1	20050324
DESIGNATED STATES			
W:	AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW		
RW (ARIPO):	BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW		
RW (EAPO):	AM AZ BY KG KZ MD RU TJ TM		
RW (EPO):	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO SE SI SK TR		
RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG		
PRIORITY INFO.:	JP 2003-2003-322550		20030916
APPLICATION INFO.:	WO 2004-JP14661	A	20040914

L3 ANSWER 3 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
 ACCESSION NUMBER: 2005010020 PCTFULL ED 20050208 EW 200505
 TITLE (ENGLISH): INDOLOPYRROLOCABAZOLE DERIVATIVE AND
 ANTITUMOR AGENT
 TITLE (FRENCH): DERIVE D'INDOLOPYRROLOCARBAZOLE ET AGENT
 ANTITUMORAL
 INVENTOR(S): OHKUBO, Mitsuru, c/o BANYU PHARMACEUTICAL CO., LTD.
 Tsukuba Research Institute, 3, Okubo, Tsukuba-shi,
 Ibaraki, 3002611, JP [JP, JP];
 ARAKAWA, Hiroharu, c/o BANYU PHARMACEUTICAL CO., LTD.
 Tsukuba Research Institute, 3, Okubo, Tsukuba-shi,

PATENT ASSIGNEE(S): Ibaraki, 3002611, JP [JP, JP]
 BANYU PHARMACEUTICAL CO., LTD., 2-3, Nihombashi
 Honcho 2-chome, Chuo-ku, Tokyo, 1038416, JP [JP, JP],
 for all designates States except US;
 OHKUBO, Mitsuru, c/o BANYU PHARMACEUTICAL CO., LTD.
 Tsukuba Research Institute, 3, Okubo, Tsukuba-shi,
 Ibaraki, 3002611, JP [JP, JP], for US only;
 ARAKAWA, Hiroharu, c/o BANYU PHARMACEUTICAL CO., LTD.
 Tsukuba Research Institute, 3, Okubo, Tsukuba-shi,
 Ibaraki, 3002611, JP [JP, JP], for US only
 AGENT: BANYU PHARMACEUTICAL CO., LTD.\$, 2-3, Nihombashi Honcho
 2-chome, Chuo-ku, Tokyo, 1038416\$, JP
 LANGUAGE OF FILING: Japanese
 LANGUAGE OF PUBL.: Japanese
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2005010020	A1	20050203

DESIGNATED STATES

W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO
 CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR
 HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
 MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
 RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ
 VC VN YU ZA ZM ZW

RW (ARIPO): BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
 RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU
 MC NL PL PT RO SE SI SK TR
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

PRIORITY INFO.: JP 2003-PCT/JP03/09392 20030724
 APPLICATION INFO.: WO 2004-JP10742 A 20040721

L3 ANSWER 4 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
 ACCESSION NUMBER: 2004018495 PCTFULL ED 20040310 EW 200410
 TITLE (ENGLISH): PROCESS FOR PRODUCING INDOLOPYRROLOCARBAZOLE
 DERIVATIVE
 TITLE (FRENCH): PROCEDE DE PRODUCTION D'UN DERIVE
 INDOLOPYRROLOCARBAZOLE
 INVENTOR(S): AKAO, Atsushi, c/o Banyu Pharmaceutical Co., Ltd.,
 Okazaki Site, 9-1, Kamimutsuna 3-chome, Okazaki-shi,
 Aichi 444-0858, JP [JP, JP];
 KAWASAKI, Masashi, c/o Banyu Pharmaceutical Co., Ltd.,
 Okazaki Site, 9-1, Kamimutsuna 3-chome, Okazaki-shi,
 Aichi 444-0858, JP [JP, JP];
 KAMATANI, Asayuki, 11515-10 Compass Point Dr.N., San
 Diego, CA 92126-5549, US [JP, US];
 MASE, Toshiaki, c/o Banyu Pharmaceutical Co., Ltd.,
 Okazaki Site, 9-1, Kamimutsuna 3-chome, Okazaki-shi,
 Aichi 444-0858, JP [JP, JP]
 PATENT ASSIGNEE(S): BANYU PHARMACEUTICAL CO., LTD., 2-3, Nihombashi
 Honcho 2-chome, Chuo-ku, Tokyo 103-8416, JP [JP, JP],
 for all designates States except US;
 AKAO, Atsushi, c/o Banyu Pharmaceutical Co., Ltd.,
 Okazaki Site, 9-1, Kamimutsuna 3-chome, Okazaki-shi,
 Aichi 444-0858, JP [JP, JP], for US only;
 KAWASAKI, Masashi, c/o Banyu Pharmaceutical Co., Ltd.,
 Okazaki Site, 9-1, Kamimutsuna 3-chome, Okazaki-shi,
 Aichi 444-0858, JP [JP, JP], for US only;
 KAMATANI, Asayuki, 11515-10 Compass Point Dr.N., San
 Diego, CA 92126-5549, US [JP, US], for US only;
 MASE, Toshiaki, c/o Banyu Pharmaceutical Co., Ltd.,
 Okazaki Site, 9-1, Kamimutsuna 3-chome, Okazaki-shi,

AGENT: Aichi 444-0858, JP [JP, JP], for US only
 IWATANI, Ryo\$, Sakurabashi Chiyoda Build. 5F, 1-27,
 Dojima 2-chome, Kita-ku, Osaka-shi, Osaka 530-0003\$, JP
 LANGUAGE OF FILING: Japanese
 LANGUAGE OF PUBL.: Japanese
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE
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WO 2004018495	A1	20040304
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DESIGNATED STATES

W:

AE AG AL AM AU AZ BA BB BR BY BZ CA CN CO CR CU DM DZ
 EC GD GE HR ID IL IN IS KG KR KZ LC LK LR LT LV MA MD
 MG MK MN MX NI NO NZ OM PG PH PL RU SC SG SY TJ TM TN
 TT UA US UZ VC VN YU ZA

RW (ARIPO):

GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

RW (EAPO):

AM AZ BY KG KZ MD RU TJ TM

RW (EPO):

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU
 MC NL PT RO SE SI SK TR

RW (OAPI):

BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

PRIORITY INFO.:

JP 2002-2002-244173 20020823

APPLICATION INFO.:

WO 2003-JP10672 A 20030822

L3 ANSWER 5 OF 14

PCTFULL COPYRIGHT 2007 Univentio on STN

ACCESSION NUMBER:

2003080077 PCTFULL ED 20031008 EW 200340

TITLE (ENGLISH):

USE OF ANTITUMOR INDOLOPYRROLOCARBAZOLE
 DERIVATIVE AND OTHER ANTICANCER AGENT IN COMBINATION
 UTILISATION COMBINEE DE DERIVES ANTICANCEREUX DE L'
 INDOLOPYRROLOCARBAZOLE ET D'UN AUTRE AGENT
 ANTICANCEREUX

TITLE (FRENCH):

INVENTOR(S):

ARAKAWA, Hiroharu, c/o BANYU PHARMACEUTICAL CO., LTD.
 Tsukuba Research Institute, 3, Okubo, Tsukuba-shi,
 Ibaraki 300-2611, JP [JP, JP];
 MONDEN, Yoshiaki, c/o BANYU PHARMACEUTICAL CO., LTD.
 Licensing, 5-1, Nihombashi-Kabutocho, Chou-ku, Tokyo
 103-0026, JP [JP, JP];
 NAKATSURU, Yoko, c/o BANYU PHARMACEUTICAL CO., LTD.
 Tsukuba Research Institute, 3, Okubo, Tsukuba-shi,
 Ibaraki 300-2611, JP [JP, JP];
 KODERA, Tsutomu, c/o BANYU PHARMACEUTICAL CO., LTD.
 Tsukuba Research Institute, 3, Okubo, Tsukuba-shi,
 Ibaraki 300-2611, JP [JP, JP]

PATENT ASSIGNEE(S):

BANYU PHARMACEUTICAL CO., LTD., 2-3, Nihombashi
 Honcho 2-chome, Chou-ku, Tokyo 103-8416, JP [JP, JP],
 for all designates States except US;
 ARAKAWA, Hiroharu, c/o BANYU PHARMACEUTICAL CO., LTD.
 Tsukuba Research Institute, 3, Okubo, Tsukuba-shi,
 Ibaraki 300-2611, JP [JP, JP], for US only;
 MONDEN, Yoshiaki, c/o BANYU PHARMACEUTICAL CO., LTD.
 Licensing, 5-1, Nihombashi-Kabutocho, Chou-ku, Tokyo
 103-0026, JP [JP, JP], for US only;
 NAKATSURU, Yoko, c/o BANYU PHARMACEUTICAL CO., LTD.
 Tsukuba Research Institute, 3, Okubo, Tsukuba-shi,
 Ibaraki 300-2611, JP [JP, JP], for US only;
 KODERA, Tsutomu, c/o BANYU PHARMACEUTICAL CO., LTD.
 Tsukuba Research Institute, 3, Okubo, Tsukuba-shi,
 Ibaraki 300-2611, JP [JP, JP], for US only

AGENT:

BANYU PHARMACEUTICAL CO., LTD.\$, 2-3, Nihombashi Honcho
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LANGUAGE OF FILING:

Japanese

LANGUAGE OF PUBL.:

Japanese

DOCUMENT TYPE:

Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
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DESIGNATED STATES

W:

RW (ARIPO):

RW (EAPO):

RW (EPO):

RW (OAPI):

PRIORITY INFO.:

APPLICATION INFO.:

WO 2003080077

A1 20031002

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD
MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
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GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
AM AZ BY KG KZ MD RU TJ TM
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC
NL PT SE SK TR
BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
JP 2002-2002-84677 20020326
WO 2002-JP10186 A 20020930

L3 ANSWER 6 OF 14

ACCESSION NUMBER:

TITLE (ENGLISH):

TITLE (FRENCH):

INVENTOR(S):

PATENT ASSIGNEE(S):

AGENT:

LANGUAGE OF FILING:

LANGUAGE OF PUBL.:

DOCUMENT TYPE:

PATENT INFORMATION:

PCTFULL COPYRIGHT 2007 Univentio on STN
2002079214 PCTFULL ED 20021022 EW 200241
PREPARATION AND ISOLATION OF INDOLOCARBAZOLE GLYCOSIDES
PREPARATION ET ISOLEMENT DE GLYCOSIDES INDOLOCARBAZOLES
WEISSMAN, Steven, 126 East Lincoln Avenue, Rahway, NJ
07065-0907, US [US, US];
TSCHAEN, David, 126 East Lincoln Avenue, Rahway, NJ
07065-0907, US [US, US];
IIDA, Takehiko, 2-3, Nihombashi Honcho 2-Chome,
Chuo-ku, Tokyo 103-8416, JP [JP, JP];
KAWASAKI, Masashi, 2-3, Nihombashi Honcho 2-Chome,
Chuo-ku, Tokyo 103-8416, JP [JP, JP];
HIRAGA, Shouichi, 2-3, Nihombashi Honcho 2-Chome,
Chuo-ku, Tokyo 103-8416, JP [JP, JP];
KAMATANI, Asayuki, 2-3, Nihombashi Honcho 2-Chome,
Chuo-ku, Tokyo 103-8416, JP [JP, JP]
MERCK & CO., INC., 126 East Lincoln Avenue, Rahway, NJ
07065-0907, US [US, US], for all designates States
except US;
BANYU PHARMACEUTICAL CO., LTD., 2-3, Nihombashi
Honcho 2-Chome, Chuo-ku, Tokyo 103-8416, JP [JP, JP],
for all designates States except US;
WEISSMAN, Steven, 126 East Lincoln Avenue, Rahway, NJ
07065-0907, US [US, US], for US only;
TSCHAEN, David, 126 East Lincoln Avenue, Rahway, NJ
07065-0907, US [US, US], for US only;
IIDA, Takehiko, 2-3, Nihombashi Honcho 2-Chome,
Chuo-ku, Tokyo 103-8416, JP [JP, JP], for US only;
KAWASAKI, Masashi, 2-3, Nihombashi Honcho 2-Chome,
Chuo-ku, Tokyo 103-8416, JP [JP, JP], for US only;
HIRAGA, Shouichi, 2-3, Nihombashi Honcho 2-Chome,
Chuo-ku, Tokyo 103-8416, JP [JP, JP], for US only;
KAMATANI, Asayuki, 2-3, Nihombashi Honcho 2-Chome,
Chuo-ku, Tokyo 103-8416, JP [JP, JP], for US only
MERCK & CO., INC., 126 East Lincoln Avenue, Rahway, NJ
07065-0907\$, US
English
English
Patent

NUMBER

KIND

DATE

WO 2002079214

A1 20021010

DESIGNATED STATES

W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MA MD MG
MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK

RW (ARIPO): SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
 RW (EAPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
 RW (EPO): AM AZ BY KG KZ MD RU TJ TM
 RW (OAPI): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
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 BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 PRIORITY INFO.: US 2001-60/279,629 20010329
 APPLICATION INFO.: WO 2002-US9152 A 20020325

L3 ANSWER 7 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
 ACCESSION NUMBER: 2002036601 PCTFULL ED 20020523 EW 200219
 TITLE (ENGLISH): PHASE TRANSFER CATALYZED GLYCOSIDATION OF AN
 INDOLOCARBAZOLE
 TITLE (FRENCH): GLYCOSIDATION D'UN INDOLOCARBAZOLE CATALYSEE PAR
 TRANSFERT DE PHASE
 INVENTOR(S): PETRILLO, Daniel, E., 126 East Lincoln Avenue, Rahway,
 NJ 07065-0907, US [US, US];
 WEISSMAN, Steven, A., 126 East Lincoln Avenue, Rahway,
 NJ 07065-0907, US [US, US];
 ROSSEN, Kai, 126 East Lincoln Avenue, Rahway, NJ
 09065-0907, US [DE, US];
 HIRAGA, Shouichi, 2-3, Nihombashi Honcho 2-Chome,
 Chuo-ku, Tokyo 103-8416, JP [JP, JP];
 SATAKE, Nobuya, 2-3, Nihombashi Honcho 2-Chome,
 Chuo-ku, Tokyo 103-8416, JP [JP, JP]
 PATENT ASSIGNEE(S): MERCK & CO., INC., 126 East Lincoln Avenue, Rahway, NJ
 07065-0907, US [US, US], for all designates States
 except US;
 BANYU PHARMACEUTICAL CO., LTD., 2-3, Nihombashi
 Honcho 2-Chome, Chuo-ku, Tokyo 103-8416, JP [JP, JP],
 for all designates States except US;
 PETRILLO, Daniel, E., 126 East Lincoln Avenue, Rahway,
 NJ 07065-0907, US [US, US], for US only;
 WEISSMAN, Steven, A., 126 East Lincoln Avenue, Rahway,
 NJ 07065-0907, US [US, US], for US only;
 ROSSEN, Kai, 126 East Lincoln Avenue, Rahway, NJ
 09065-0907, US [DE, US], for US only;
 HIRAGA, Shouichi, 2-3, Nihombashi Honcho 2-Chome,
 Chuo-ku, Tokyo 103-8416, JP [JP, JP], for US only;
 SATAKE, Nobuya, 2-3, Nihombashi Honcho 2-Chome,
 Chuo-ku, Tokyo 103-8416, JP [JP, JP], for US only
 AGENT: MERCK & CO., INC.\$, 126 East Lincoln Avenue, Rahway, NJ
 07065-0907\$, US
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2002036601	A2	20020510

DESIGNATED STATES
 W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
 CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
 IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MA MD MG
 MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK
 SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
 RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZW
 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
 RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
 TR
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 PRIORITY INFO.: US 2000-60/244,675 20001031
 APPLICATION INFO.: WO 2001-US47603 A 20011026

L3 ANSWER 8 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
 ACCESSION NUMBER: 2001062769 PCTFULL ED 20020822
 TITLE (ENGLISH): PROCESS FOR PREPARING INDOLOPYRROLOCARBAZOLE
 DERIVATIVES, INTERMEDIATES THEREFOR, AND PREPARATION
 TITLE (FRENCH): PROCEDE DE PREPARATION DE DERIVES D'
 INDOLOPYRROLOCARBAZOLE, LEURS INTERMEDIAIRES,
 ET PROCEDE DE PREPARATION DES INTERMEDIAIRES
 INVENTOR(S): HIRAGA, Shouichi;
 KAWASAKI, Masashi;
 AKAO, Atsushi;
 KAMATANI, Asayuki;
 HAGIWARA, Masayuki;
 NAKANO, Fumio;
 MASE, Toshiaki
 PATENT ASSIGNEE(S): BANYU PHARMACEUTICAL CO., LTD.;
 HIRAGA, Shouichi;
 KAWASAKI, Masashi;
 AKAO, Atsushi;
 KAMATANI, Asayuki;
 HAGIWARA, Masayuki;
 NAKANO, Fumio;
 MASE, Toshiaki
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2001062769	A1	20010830

DESIGNATED STATES
 W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU
 CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN
 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK
 MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
 TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW MZ SD
 SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY
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 CG CI CM GA GN GW ML MR NE SN TD TG

PRIORITY INFO.: JP 2000-2000-48140 20000224
 APPLICATION INFO.: WO 2001-JP1289 A 20010222

L3 ANSWER 9 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
 ACCESSION NUMBER: 1997029205 PCTFULL ED 20020514
 TITLE (ENGLISH): EFFECTIVE PRODUCTION METHOD OF BE-13793C
 TITLE (FRENCH): PROCEDE EFFICACE DE PRODUCTION DE BE-13793C
 INVENTOR(S): BURGESS, Bruce, W.;
 GREASHAM, Randolph, L.;
 LEE, Chanyong;
 SUN, Wen-Jun;
 SUDA, Hiroyuki;
 KAWAMURA, Kenji
 PATENT ASSIGNEE(S): BANYU PHARMACEUTICAL CO., LTD.;
 BURGESS, Bruce, W.;
 GREASHAM, Randolph, L.;
 LEE, Chanyong;
 SUN, Wen-Jun;
 SUDA, Hiroyuki;
 KAWAMURA, Kenji
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9729205	A1	19970814

DESIGNATED STATES

W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI
SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM AZ
BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE
IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN
TD TG

PRIORITY INFO.: US 1996-60/011,256 19960207
APPLICATION INFO.: WO 1997-US1896 A 19970204

L3 ANSWER 10 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
ACCESSION NUMBER: 1997009339 PCTFULL ED 20020514
TITLE (ENGLISH): ANTITUMOR INDOLOPYRROLOCARBAZOLE DERIVATIVES
TITLE (FRENCH): DERIVES ANTITUMORAUX D'INDOLOPYRROLOCARBAZOLE
INVENTOR(S): KOJIRI, Katsuhisa;
KONDO, Hisao;
ARAKAWA, Hiroharu;
OHKUBO, Mitsuru;
SUDA, Hiroyuki

PATENT ASSIGNEE(S): BANYU PHARMACEUTICAL CO., LTD.;
KOJIRI, Katsuhisa;
KONDO, Hisao;
ARAKAWA, Hiroharu;
OHKUBO, Mitsuru;
SUDA, Hiroyuki

LANGUAGE OF PUBL.: Japanese
DOCUMENT TYPE: Patent

PATENT INFORMATION:

NUMBER	KIND	DATE

WO 9709339	A1	19970313

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W: AU CA CN JP KR US AT BE CH DE DK ES FI FR GB GR IE IT
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PRIORITY INFO.: JP 1995-7/251855 19950905
APPLICATION INFO.: WO 1996-JP2404 A 19960828

L3 ANSWER 11 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
ACCESSION NUMBER: 1996004293 PCTFULL ED 20020514
TITLE (ENGLISH): ANTITUMOR INDOLOPYRROLOCARBAZOLES
TITLE (FRENCH): INDOLOPYRROLOCARBAZOLES ANTITUMORAUX
INVENTOR(S): KOJIRI, Katsuhisa;
SHIMOKAWA, Haruki;
OHKUBO, Mitsuru;
KAWAMURA, Kenji;
KONDO, Hisao;
ARAKAWA, Hiroharu;
SUDA, Hiroyuki

PATENT ASSIGNEE(S): BANYU PHARMACEUTICAL CO., LTD.;
KOJIRI, Katsuhisa;
SHIMOKAWA, Haruki;
OHKUBO, Mitsuru;
KAWAMURA, Kenji;
KONDO, Hisao;
ARAKAWA, Hiroharu;
SUDA, Hiroyuki

LANGUAGE OF PUBL.: Japanese
DOCUMENT TYPE: Patent

PATENT INFORMATION:

NUMBER	KIND	DATE

WO 9604293	A1	19960215

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W: AU CA CN JP KR US AT BE CH DE DK ES FR GB GR IE IT LU

PRIORITY INFO.: MC NL PT SE
APPLICATION INFO.: JP 1994-6/200110 19940802
WO 1995-JP1490 A 19950726

L3 ANSWER 12 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
ACCESSION NUMBER: 1995034663 PCTFULL ED 20020514
TITLE (ENGLISH): GENE CODING FOR GLYCOSYLTRANSFERASE AND USE THEREOF
TITLE (FRENCH): GENE CODANT LA GLYCOSYL-TRANSFERASE ET UTILISATION DE
CE GENE
INVENTOR(S): KOJIRI, Katsuhisa;
SUZUKI, Hajime;
KONDO, Hisao;
SUDA, Hiroyuki
PATENT ASSIGNEE(S): BANYU PHARMACEUTICAL CO., LTD.;
KOJIRI, Katsuhisa;
SUZUKI, Hajime;
KONDO, Hisao;
SUDA, Hiroyuki
LANGUAGE OF PUBL.: Japanese
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9534663	A1	19951221

DESIGNATED STATES
W:

AU CA CN JP KR US AT BE CH DE DK ES FR GB GR IE IT LU
MC NL PT SE

PRIORITY INFO.: JP 1994-6/154127 19940613
APPLICATION INFO.: WO 1995-JP1065 A 19950531

L3 ANSWER 13 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
ACCESSION NUMBER: 1995030682 PCTFULL ED 20020514
TITLE (ENGLISH): ANTITUMOR INDOLOPYPROLOCARBAZOLE DERIVATIVE
TITLE (FRENCH): DERIVE D'INDOLOPYPROLOCARBAZOLE ANTITUMORAL
INVENTOR(S): KOJIRI, Katsuhisa;
KONDO, Hisao;
ARAKAWA, Hiroharu;
OHKUBO, Mitsuru;
SUDA, Hiroyuki
PATENT ASSIGNEE(S): BANYU PHARMACEUTICAL CO., LTD.;
KOJIRI, Katsuhisa;
KONDO, Hisao;
ARAKAWA, Hiroharu;
OHKUBO, Mitsuru;
SUDA, Hiroyuki
LANGUAGE OF PUBL.: Japanese
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9530682	A1	19951116

DESIGNATED STATES
W:

AU CA CN JP KR US AT BE CH DE DK ES FR GB GR IE IT LU
MC NL PT SE

PRIORITY INFO.: JP 1994-6/119483 19940509
JP 1994-6/145648 19940603
APPLICATION INFO.: WO 1995-JP868 A 19950502

L3 ANSWER 14 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
ACCESSION NUMBER: 1993011145 PCTFULL ED 20020513
TITLE (ENGLISH): INDOLOPYRROLOCARBAZOLE DERIVATIVES
TITLE (FRENCH): DERIVES INDOLOPYRROLOCARBAZOLE
INVENTOR(S): KOJIRI, Katsuhisa;
KONDO, Hisao;

PATENT ASSIGNEE(S): ARAKAWA, Hiroharu;
LANGUAGE OF PUBL.: OHKUBO, Mitsuru;
DOCUMENT TYPE: SUDA, Hiroyuki
PATENT INFORMATION: BANYU PHARMACEUTICAL CO., LTD.
English
Patent

	NUMBER	KIND	DATE

	WO 9311145	A1	19930610
DESIGNATED STATES			
W:	BG BR PL RO RU		
PRIORITY INFO.:	JP 1991-3/341916		19911129
	JP 1992-4/69269		19920218
	JP 1992-4/257306		19920901
APPLICATION INFO.:	WO 1992-JP1549	A	19921127